

# Regional Surveillance Report: July 2016

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## SUMMARY

- **Health Service Region 2**

- There were a total of 59 cases reported in Health Service Region 2 for the month.
- Reported cases of campylobacteriosis were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 533 cases reported in Health Service Region 3 for the month.
- Reported cases of campylobacteriosis, Shiga-toxin producing *Escherichia coli* (STEC), *Streptococcus*, invasive Group A and varicella (chickenpox) were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- A campylobacter outbreak was investigated involving Hood and Denton County residents associated with a cruise excursion in Mexico.
- Two shigella outbreaks were investigated in Collin County, both associated with childcare centers.
- A pertussis outbreak was investigated in Tarrant County associated with a shelter.

*Please see the following tables and figures for more details. NOTE: Counts include confirmed and probable cases reported to the Texas Department of State Health Services via NEDSS (National Electronic Disease Surveillance System) in report month. Counts include conditions coordinated by the epidemiology branch only. Cases may be pending investigation and counts are subject to change. A map of the region can be found on the last page of this report. Counts beyond historical limits or differing from the five year median may be due to current or past outbreaks, seasonal variations, or infrequently reported diseases.*

**Table 1: Reported Disease Case Counts in Health Service Region 2, July 2016**

Disease	July 2016	January - December 2016	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during July 2016 (Counts)
				2015	2014	2013	2012	2011	
Amebiasis	0	0	0	0	0	0	1	0	
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm)*	0	0	0						
Botulism (adult and infant)	0	0	0	0	0	0	0	0	
<b>Campylobacteriosis</b>	25	115	4	134	37	38	71	43	Archer (1), Jones (2), Knox (2), Montague (1), Nolan (2), Runnels (2), Scurry (1), Taylor (3), Throckmorton (1), Wichita (10)
Carbapenem-resistant Enterobacteriaceae (CRE)	0	0	0	0	6	--	--	--	
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	2	0	0	0	1	
Cryptosporidiosis	0	12	0	24	8	4	9	10	
Cyclosporiasis	0	0	0	6	1	4	0	0	
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm)*	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	1	5	0	0	1	0	0	0	Brown (1)
Hemolytic Uremic Syndrome (HUS)	0	0	0	1	1	0	1	1	
Hepatitis A, acute	0	2	0	2	2	3	5	4	
Hepatitis B, acute	0	2	1	5	4	4	7	9	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	3	0	12	11	4	0	2	
Hepatitis E, acute	0	0	0	1	0	0	0	0	
Hookworm (Ancylostomiasis)*	0	0	0	--	--	--	--	--	
Influenza-associated pediatric mortality	0	0	0	1	0	0	0	0	
Legionellosis	0	1	0	6	6	3	4	2	

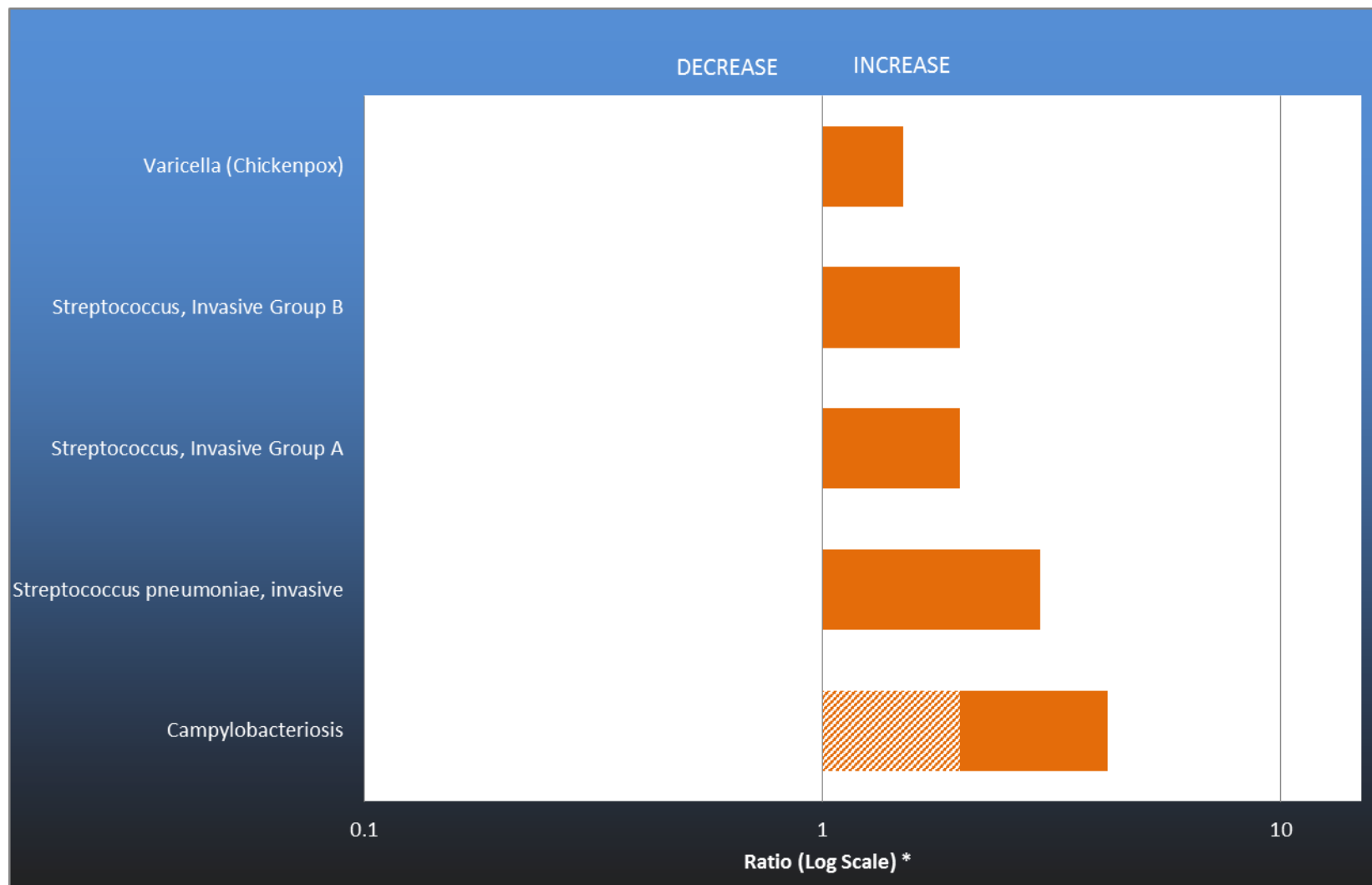
<u>Disease</u>	<u>July 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during July 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Listeriosis	0	0	0	0	0	0	0	2	
Measles	0	0	0	0	3	0	0	0	
Multidrug-resistant <i>Acinetobacter</i> (MDR-A)	1	4	0	7	10	--	--	--	Callahan (1)
Mumps	0	0	0	0	1	0	0	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	0	
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung flake/flatworm) *	0	0	0	--	--	--	--	--	
Pertussis	4	21	3	69	24	77	31	9	Wichita (4)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	13	63	11	145	117	133	200	140	Baylor (1), Brown (1), Clay (1), Fisher (1), Jones (1), Knox (2), Montague (1), Taylor (1), Wichita (2), Young (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	2	10	2	18	26	15	13	20	Taylor (1), Wichita (1)
Shigellosis	3	83	3	76	20	41	187	63	Taylor (2), Wichita (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	3	29	1	52	22	14	24	18	Coleman (1), Wichita (2)
<i>Streptococcus</i> , Invasive Group A	2	13	1	25	7	5	7	9	Callahan (1), Wichita (1)
<i>Streptococcus</i> , Invasive Group B	2	32	1	30	24	19	11	20	Brown (1), Nolan (1)
Tetanus	0	0	0	0	0	0	0	0	
Trichuriasis (whipworm) *	0	0	0	--	--	--	--	--	
Typhoid Fever	0	0	0	0	1	0	0	0	

<u>Disease</u>	<u>July 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median ‡</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during July 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Varicella (Chickenpox)	3	17	3	39	33	48	84	112	Comanche (2), Eastland (1)
Vibrio infection (including cholera)	0	0	0	1	2	1	0	3	
Viral Hemorrhagic Fever (including Ebola)	0	0	0	0	0	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	0	0	0	0	1	1	1	0	
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	0	1	1	0	0	0	
<b>Total</b>	<b>59</b>	<b>412</b>		<b>657</b>	<b>369</b>	<b>414</b>	<b>656</b>	<b>470</b>	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years.

\* Reportable conditions as of 2016, no previous data available.

**FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for July 2016, Health Service Region 2**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years).  
 Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

Current Ratio
  Historical Limits

**Table 2: Reported Disease Case Counts in Health Service Region 3, July 2016**

<u>Disease</u>	<u>July 2016</u>	<u>January – December 2016</u>	<u>5-Year Monthly Median ‡</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during July 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Amebiasis	2	22	4	52	46	65	56	53	Dallas (1), Parker (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm) *	0	0	0						
Botulism (adult and infant)	0	1	0	2	1	2	0	1	
<b>Campylobacteriosis</b>	101	463	74	817	657	606	572	438	Collin (11), Cooke (1), Dallas (25), Denton (11), Ellis (2), Erath (1), Hood (3), Hunt (1), Johnson (7), Navarro (1), Palo Pinto (2), Parker (5), Tarrant (28), Wise (3)
Carbapenem-resistant Enterobacteriaceae (CRE)	4	43	0	52	29	--	--	--	Tarrant (4)
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	6	9	1	6	2	
Cryptosporidiosis	10	71	10	249	97	128	98	126	Dallas (3), Denton (1), Hunt (1), Johnson (2), Kaufman (1), Tarrant (2)
Cyclosporiasis	17	18	2	105	118	183	13	9	Collin (3), Dallas (3), Denton (4), Grayson (1), Hunt (1), Rockwall (1), Tarrant (4)
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm) *	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	9	54	0	2	3	0	2	1	Collin (2), Dallas (3), Denton (1), Navarro (1), Parker (1), Tarrant (1)
Hemolytic Uremic Syndrome (HUS)	1	2	0	7	3	4	8	5	Parker (1)
Hepatitis A, acute	2	21	4	47	27	27	62	55	Collin (1), Grayson (1)
Hepatitis B, acute	4	25	2	42	22	24	38	42	Collin (1), Parker (1), Tarrant (2)
Hepatitis B, perinatal	0	0	0	0	1	1	1	1	
Hepatitis C, acute	0	5	1	23	19	11	20	8	

<b>Disease</b>	<b>July 2016</b>	<b>January – December 2016</b>	<b>5-Year Monthly Median ‡</b>	<b>Total Cases in Previous Years</b>					<b>Counties Reporting during July 2016 (Counts)</b>
				<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>	
Hepatitis E, acute	1	6	0	1	5	4	4	7	Dallas (1)
Hookworm (Ancylostomiasis) *	0	0	0	--	--	--	--	--	
Influenza-associated pediatric mortality	0	2	0	5	5	2	5	5	
Legionellosis	10	45	7	122	105	68	59	52	Collin (1), Dallas (8), Denton (1)
Listeriosis	1	7	1	6	5	9	8	14	Dallas (1)
Measles	0	1	0	1	4	25	0	3	
Multidrug-resistant <i>Acinetobacter</i> (MDR-A)	18	151	0	220	177	0	0	0	Collin (2), Dallas (6), Navarro (1), Parker (1), Tarrant (8)
Mumps	0	4	0	6	5	1	5	7	
<i>Neisseria meningitidis</i> , invasive	0	4	0	4	5	13	13	10	
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung fluke/flatworm) *	0	0	0	--	--	--	--	--	
Pertussis	54	381	64	629	1,041	1,850	675	282	Collin (4), Dallas (3), Denton (7), Ellis (1), Grayson (1), Johnson (1), Parker (4), Rockwall (1), Tarrant (32)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	2	0	0	0	0	
Salmonellosis	103	536	106	1,437	1,137	1,142	1,245	1,208	Collin (8), Cooke (4), Dallas (21), Denton (15), Ellis (2), Erath (2), Grayson (2), Hood (1), Hunt (3), Johnson (5), Kaufman (1), Palo Pinto (1), Parker (10), Rockwall (1), Tarrant (25), Wise (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	24	118	16	188	222	162	125	145	Collin (6), Dallas (5), Denton (3), Ellis (1), Erath (1), Hood (1), Johnson (1), Parker (1), Rockwall (2), Tarrant (3)

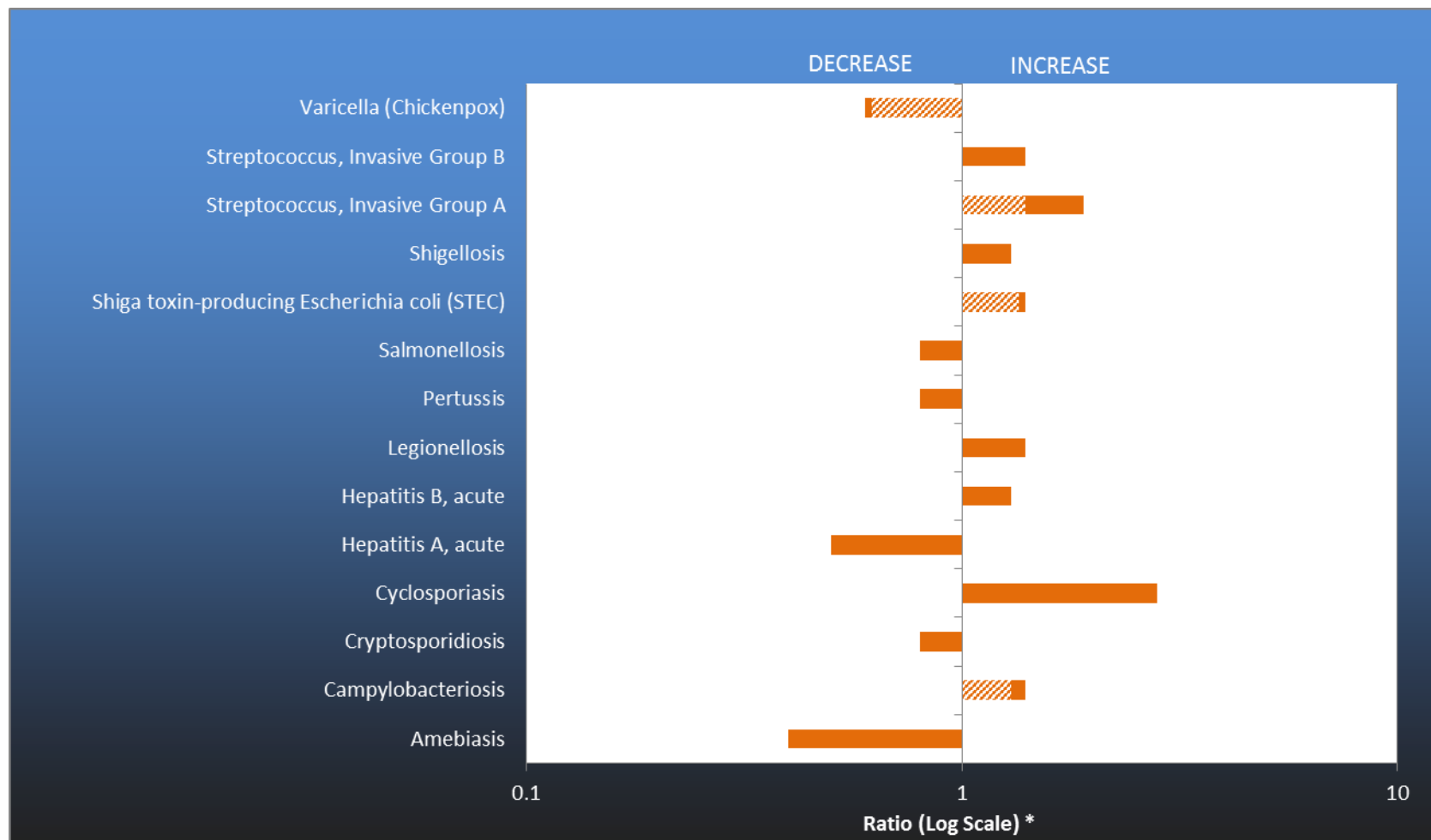
<u>Disease</u>	<u>July 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median ‡</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during July 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Shigellosis	81	671	55	898	739	667	376	676	Collin (21), Dallas (21), Denton (8), Ellis (1), Fannin (1), Grayson (1), Hunt (1), Johnson (2), Kaufman (1), Palo Pinto (1), Rockwall (2), Tarrant (18), Wise (3)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	14	348	21	483	518	499	458	413	Dallas (4), Hunt (1), Navarro (1), Tarrant (8)
<b>Streptococcus, Invasive Group A</b>	17	84	11	186	202	118	104	152	Collin (1), Dallas (8), Ellis (1), Hunt (1), Tarrant (6)
<i>Streptococcus</i> , Invasive Group B	40	264	26	523	421	281	292	288	Collin (2), Dallas (10), Denton (7), Ellis (2), Fannin (1), Johnson (1), Kaufman (1), Navarro (1), Parker (1), Tarrant (13), Wise (1)
Tetanus	0	2	0	1	1	0	0	1	
Trichuriasis (whipworm) *	0	0	0	--	--	--	--	--	
Typhoid Fever	2	9	0	7	9	7	8	11	Dallas (1), Tarrant (1)
<b>Varicella (Chickenpox)</b>	16	221	33	372	499	513	614	710	Collin (4), Dallas (2), Denton (1), Johnson (1), Kaufman (2), Tarrant (6)
Vibrio infection (including cholera)	1	7	1	14	16	10	16	9	Hood (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	0	3	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	1	3	0	5	1	2	7	1	Dallas (1)
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	2	0	5	6	12	5	4	
<b>Total</b>	<b>533</b>	<b>3,591</b>		<b>6,519</b>	<b>6,158</b>	<b>6,437</b>	<b>4,895</b>	<b>4,739</b>	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years.

\* Reportable conditions as of 2016, no previous data available.



**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for July 2016, Health Service Region 3**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

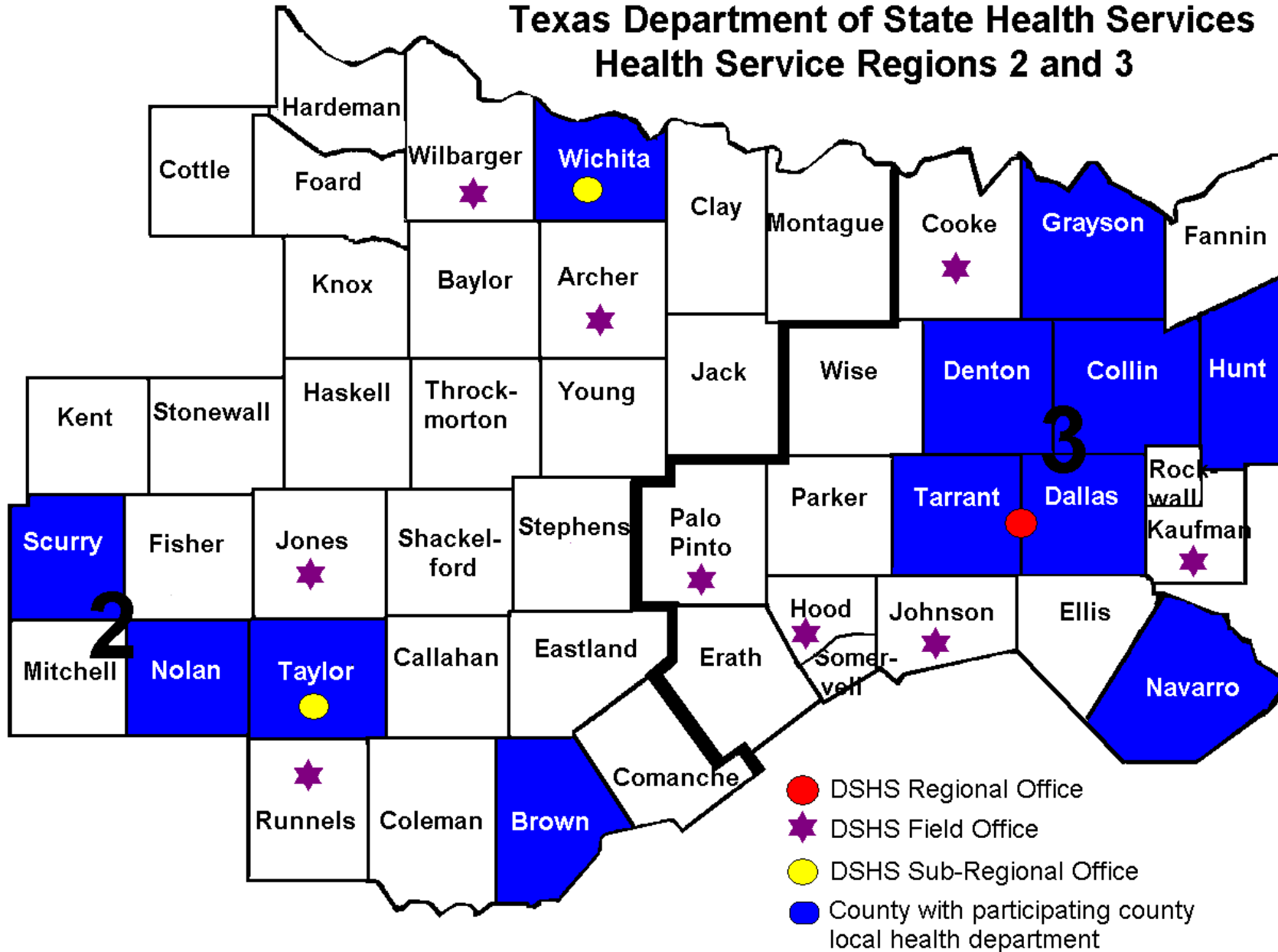


Current Ratio



Historical Limits

## Texas Department of State Health Services Health Service Regions 2 and 3



If you have any questions about this monthly report or notifiable disease conditions in Texas, please contact:

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